



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
KANG, Nina et al.	)	
	)	
Serial No.: 10/679,931	)	Group Art Unit: 2141
	)	
Filing Date: October 6, 2003	)	Examiner: Unassigned
	)	
For: SYSTEM AND METHODS FOR	)	Atty. Ref.: MSFT9 (010756.104511)
ROBUST DISCOVERY OF SERVERS	)	
AND SERVICES IN A	)	
HETEROGENEOUS ENVIRONMENT	)	
	)	

TRANSMITTAL LETTER

February 4, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed please find the following items for filing in connection with the above-identified patent application:

- (1) Information Disclosure Statement;
- (2) Substitute PTO Form 1449 (PTO/SB/08A);
- (3) Copies of art cited in the Information Disclosure Statement; and
- (4) Return Postcard.

No fee is believed to be due in connection with the Information Disclosure Statement forwarded herewith. However, if any fees are deemed to be due, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 20-1507.

Respectfully submitted,

TROUTMAN SANDERS LLP

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 4, 2004.

James A. Proffitt

Name of Applicant Assignee, or

Registered Representative

James A. Proffitt

Signature

2/4/04

Date



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**INFORMATION DISCLOSURE STATEMENT**

February 4, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant hereby voluntarily discloses the references listed on the attached Substitute Form PTO-1449 to the United States Patent and Trademark Office for the above-identified patent application. A copy of each of the references is enclosed herewith.

These references are cited only as constituting the closest art of which applicant is aware. It is respectfully submitted that the claims of the above-identified patent application are patentable over all of the cited references.

This Information Disclosure Statement is being submitted prior to the mailing of a first Office Action on the merits. Therefore, Applicants believe that no fee is due under 37 C.F.R. §1.17. However, if a fee is deemed to be due, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 20-1507.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 4, 2004.

James A. Raffert

Name of Applicant Assignee, or  
Registered Representative

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Signature  
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Substitute for form 1440A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Complete If Known

SUBSTITUTE FOR FORM 1449A (PTO) <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/679,931
				Filing Date	October 6, 2003
				First Named Inventor	KANG, Nina
				Group Art Unit	2141
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	MSFT9(010756.104511)

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

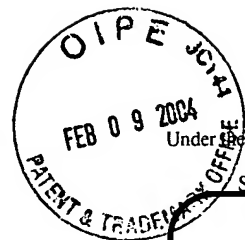
[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov). <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing and submitted the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestion for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Substitute for form 1449B/PTO

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

Application Number	10/679,931
Filing Date	October 6, 2003
First Named Inventor	KANG, Nina
Group Art Unit	2141
Examiner Name	Not Yet Assigned
Attorney Docket Number	MSFT9(010756.104511)

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or county where published.	T <sup>2</sup>
		BHAGWAT, PRAVIN; PERKINS, CHARLES E.; TRIPATHI SATISH K.; Transparent Resource Discovery for Mobile Computers, Proceedings of the Workshop on Mobile Computing Systems and Applications, 1995, p 116-118, IEEE Computer Society Press, Los Alamitos, CA.	
		GUTTMAN, ERIK, Service Location Protocol: Automatic Discovery of IP Network Services, IEEE Internet Computing, July/Aug. 1999, p 71-80, vol. 3, no.4, IEEE, USA.	
		XU, DONGYAN; NAHRSTEDT, KLARA; WICHADAKUL, DUANGDAO; QoS-Aware Discovery of Wide-Area Distributed Services, Proceedings First IEEE/ACM International Symposium on Cluster Computing and the Grid, 2001, p 92-99, IEEE Comput. Soc, Los Alamitos, CA.	
		GUO, MENG; AMMAR, MOSTAFA H.; ZEGURA, ELLEN W.; HAO, FANG; A Probe-Based Server Selection Protocol for Differentiated Service Networks, 2002 IEEE International Conference on Communications, Conference Proceedings, 2002, p 2353-2357, vol. 4, IEEE, Piscataway, NJ.	
		BRAM, ROBERT; DOSPISIL, JANA; Intelligent Service Discovery, Issues and Trends of Information Technology Management in Contemporary Organizations, 2002 Information Resources Management Association International Conference, 2002, p 87-90, vol. 1, Idea Group Publishing, Hershey, PA.	

Examiner  
SignatureDate  
Considered

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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